

Title (en)

FLUORESCENT LABEL FOR BIOMATERIAL AND METHOD OF FLUORESCENT-LABELING BIOMATERIAL

Title (de)

FLUORESCENZMARKER FÜR BIOLOGISCHES MATERIAL UND VERFAHREN ZUR MARKIERUNG VON BIOLOGISCHEM MATERIAL MIT FLUORESCENZMARKER

Title (fr)

ETIQUETTE FLUORESCENTE POUR UN BIOMATÉRIAU ET PROCÉDÉ D'ÉTIQUETAGE FLUORESCENT DE BIOMATÉRIAU

Publication

**EP 1978366 A1 20081008 (EN)**

Application

**EP 07707487 A 20070126**

Priority

- JP 2007051255 W 20070126
- JP 2006019458 A 20060127
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Abstract (en)

A fluorescent label for a biomaterial which comprises an inorganic fluorescent nanoparticle characterized by having a modifying group bonded to the surface of the inorganic fluorescent nanoparticle, the modifying group having a site specifically binding to a biomaterial, the site specifically binding to a biomaterial containing at least one member selected from among a base constituting a DNA or an RNA, a nucleotide, a polynucleotide and an intercalator, and the site being located at the farthestmost position from the surface of the inorganic fluorescent nanoparticle. Use of this fluorescent label makes it possible to conduct an analysis at an elevated sensitivity and an elevated accuracy in, for example, analyzing a biomaterial such as detecting a DNA or an RNA by the hybridization method or determining the base sequence of a DNA, detecting an antigen by the ELISA method and so on.

IPC 8 full level

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CPC (source: EP US)

**B82Y 15/00** (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **C12Q 1/6816** (2013.01 - EP US); **G01N 33/588** (2013.01 - EP US); **G01N 2021/6439** (2013.01 - EP US)

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